

2009 INSENSITIVE MUNITIONS AND ENERGETIC MATERIALS TECHNOLOGY SYMPOSIUM

LOWER COST SOLUTIONS FOR 21ST CENTURY IM/EM REQUIREMENTS



MAY 11-14, 2009

WWW.NDIA.ORG/MEETINGS/9550

LOEWS VENTANA CANYON RESORT • TUCSON, AZ

EVENT #9550



TUCSON AREA INFORMATION AND LOEWS VENTANA CANYON RESORT

Things to do...

- Hiking**
- Biking**
- Military History Trips**
- Horse Back Riding**
- Rock Climbing**
- Astronomy**
- Golf**
- Historic Anza Trail**
- Site See Missions and Churches**
- Shopping**
- Arts**
- And much more!**

Visit <http://www.visittucson.org/>

Loews Ventana Canyon Resort...

Hotel Features:

- Spa and Tennis Center**
- Two 18-hole, Fazio-designed PGA golf courses**
- Two swimming pools with Jacuzzis**
- Hiking, bicycle rentals, croquet court, ping-pong, and basketball**

**Fore more information on the Loews Ventana Canyon Resort, visit
www.loewshotels.com/en/Hotels/Tucson-Resort/Overview.aspx**

SPONSORSHIP OPPORTUNITIES AVAILABLE

RECEPTION SPONSOR (AVAILABLE TO 2 SPONSORS).....INVESTMENT: \$7,500

ONE SOLD TO IMEMG

- COMPANY LOGO AND LINK TO YOUR COMPANY ON EVENT WEB SITE
- COMPANY DESCRIPTION (300 WORDS) AND LOGO IN ON-SITE MATERIALS
- COMPANY NAME ON COCKTAIL NAPKINS AT THE RECEPTION
- HOSTED BAR AND HORS D'OUVRES FOR ATTENDEES
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE THROUGHOUT CONFERENCE

DINNER SPONSOR (AVAILABLE TO 2 SPONSORS).....INVESTMENT: \$10,000 @ OR \$20,000 ALONE

- COMPANY NAME OR LOGO ON SIGNAGE AT EACH DINNER TABLE
- 15-SLIDE CONTINUOUS LOOP POWER POINT PRESENTATION TO BE SHOWN PRIOR TO DINNER SPEAKER
- COMPANY INFORMATION TO BE DISTRIBUTED WITH CONFERENCE MATERIALS
- COMPANY DESCRIPTION (500 WORDS) AND LOGO IN THE CONFERENCE ON-SITE MATERIAL
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE THROUGHOUT CONFERENCE

CONTINENTAL BREAKFAST SPONSOR (AVAILABLE TO 3 SPONSORS).....INVESTMENT: \$8,000 PER BREAKFAST

ONE SOLD TO RAYTHEON

- SPONSOR LOGO ON TENT SIGNS ON BUFFET TABLES FOR ONE BREAKFAST
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE AND THROUGHOUT CONFERENCE
- LOGO IN THE CONFERENCE ON-SITE MATERIALS

BREAK AREA SPONSOR (AVAILABLE TO 5 SPONSORS).....INVESTMENT: \$4,000 PER BREAK

- LIGHT REFRESHMENTS FOR CONFERENCE ATTENDEES DURING BREAKS (TO INCLUDE COFFEE, TEA, SODAS AND WATER)
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE AND THROUGHOUT CONFERENCE
- LOGO IN THE CONFERENCE ON-SITE MATERIALS

LUNCH SPONSOR (AVAILABLE TO 2 SPONSORS).....INVESTMENT: \$12,000 PER LUNCH

ONE SOLD TO NTS

- COMPANY NAME OR LOGO ON SIGNAGE AT EACH LUNCH TABLE
- 10-SLIDE CONTINUOUS LOOP POWER POINT PRESENTATION TO BE SHOWN PRIOR TO LUNCHEON SPEAKER
- COMPANY DESCRIPTION (300 WORDS) AND LOGO IN THE CONFERENCE ON-SITE MATERIALS
- SPONSOR RIBBONS ON DESIGNATED BADGES
- EVENT SPECIFIC SIGNAGE THROUGHOUT CONFERENCE

FOR MORE INFORMATION ON SPONSORSHIP OPPORTUNITIES OR TO PURCHASE A SPONSORSHIP, PLEASE CONTACT JENNIFER HOECHST, MEETING PLANNER AT JHOECHST@NDIA.ORG

MONDAY, MAY 11

4:30 pm - 7:00 pm REGISTRATION OPENS

5:30 pm - 7:00 pm OPENING RECEPTION

TUESDAY, MAY 12

7:00 am - 8:00 am CONTINENTAL BREAKFAST

8:00 am - 8:10 am WELCOME REMARKS

▶ Conference Chair : Mr. Steven Nicolich, US Army RDECOM-ARDEC

8:10 am - 8:40 am KEYNOTE ADDRESS

▶ Mr. Ron Carsten, Raytheon

8:40 am - 9:05 am MSIAC AWARDS

▶ Mr. Patrick Touzé, MSIAC

9:05 am - 9:25 am IM OVERVIEW

▶ Mr. Patrick Touzé, MSIAC

9:25 am - 9:40 am DOD ORDNANCE TECHNOLOGY CONSORTIUM

▶ Mr Matthew Beyard, OSD-ATL

9:40 am - 10:00 am ANALYSIS OF THROW DISTANCE PRODUCED BY A SUB-DETONATIVE MUNITION RESPONSE

▶ Dr. Ernest Baker, US Army RDECOM-ARDEC

10:00 am - 10:30 am BREAK

2A- IM Systems I

Session Chair: Stephen Struck, USAF-Eglin

- 10:30 AM Replacement of Octol with IM Explosive in SMAW HEAA Warhead
Carrie Gonzalez, NSWC Indian Head Division
- 10:50 AM Common Low-Cost Insensitive Munitions Explosive Replacement for Comp B
Philip Samuels, US Army RDECOM-ARDEC
- 11:10 AM 120mm IMHE-T: Effective 120mm IM Solution
Jason Gaines, General Dynamics-OTS
- 11:30 AM Linear Demolition Charge Insensitive Munition (IM) Program
Robert Hutcheson, NSWC, Indian Head Division
- 11:50 AM The 155mm LU211 IM, an Example of IM Implementation
Régis Aumasson, NEXTER Munitions

2B- Synthesis I

Session Chair: Andrew Sanderson, ATK

- 10:30 AM Synthesis and Scale Up of Sym-Triaminotrinitrobenzene (Tatb) at Holston Army Ammunition Plant and Evaluation of PBXN-7 and PBXW-14
David Price, BAE Systems OSI
- 10:50 AM Towards The Synthesis of Organic Nanoenergetic Compositions
Anne Keromnes-Wuillaume, CEA
- 11:10 AM Process Improvement Studies for Scale-Up of HNS
Jacob Morris, BAE Systems OSI
- 11:30 AM Development Toward the Large Scale Synthesis of TEX
Sarah Headrick, ATK
- 11:50 AM Comparison Between Polymerization Techniques for Synthesis of Energetic Thermoplastic Elastomers
Khalifa Alkaabi, University of Stellenbosch

12:10 pm - 1:40 pm SIT DOWN LUNCHEON IN GRAND BALLROOM

3A- Modeling I

Session Chair: Ernie Baker, US Army RDECOM - ARDEC

- 1:40 PM** Using a Single Phase FEM Code to Model Phase Change During SCO Analysis
David Hunter, General Dynamics Ordnance and Tactical Systems
- 2:00 PM** Modeling Fragmentation Performance of Insensitive Explosive Fragmentation Munitions
Vladimir Gold, US Army RDECOM-ARDEC
- 2:20 PM** New IM Issue on Naval Platforms: Solid Rocket Motor (SRM) Pneumatic Explosion Risk. Effects Prediction Methodology.
Nadège Duval, French MoD DGA/CAEPE
- 2:40 PM** Safety Assessment Of Solid Rocket Motors
Nicolas Couroneau, French MoD/DGA/CAEPE

3B- Processing I

Session Chair: Andrew Wilson, Esterline ARMTEC Defense

- 1:40 PM** Press Technology of IHE Charges. A Cost Effective Manufacturing Method for IM.
Richard Wild, Diehl BGT Defence
- 2:00 PM** The Incorporation of New Refining Technologies Within the Existing Nitrocellulose Manufacturing Process at the Radford Army Ammunition Plant
Zachary Higginbotham, Alliant TechSystems Inc.
- 2:20 PM** Novel Manufacturing Process Development for the High-Blast Explosive PAX-3
Brian Alexander, BAE Systems
- 2:40 PM** Development And Optimization of a Production Scale Process for the Manufacture of IMX-101 Explosive at Holston Army Ammunition Plant
Curtis Teague, BAE Systems OSI

3:00 pm - 3:20 pm BREAK

4A- Explosive Formulations I

Session Chair: Paul Braithwaite, ATK

- 3:20 PM** Advances in Cast Cure Explosives
Robert Hatch, ATK Launch Systems
- 3:40 PM** An Insensitive Substitute for Composition A 3
Christian Spycckerelle, EURENCO
- 4:00 PM** Development, Optimization, and Application of Combined Effects Explosives
Wendy Balas, US Army RDECOM-ARDEC
- 4:20 PM** GUNTOL - Melt Cast for IM
Per Sjoberg, Eurenco Bofors AB
- 4:40 PM** Development of Insensitive Aluminized Melt-Pour Explosive
Virgil Fung, BAE Systems

4B- Technology Resources

Session Chair: Melissa Hobbs, GD-OTS

- 3:20 PM** South African Navy Prioritisation of Ammunition for Insensitive Munitions (IM) THA and Characterisation
Klaas Steyn, South African Navy
- 3:40 PM** SA Navy 76mm Ammunition IM Evolution From Prioritisation to Tha to Characterisation and Finally to IM Compliance
Cedric Brijraj, Armscor
- 4:00 PM** DARTS & HEAT - Latest Components of The MSIAC IM Test Responses Databases Suite
Pierre Archambault, MSIAC
- 4:20 PM** TEMPER : 2009 Development Roadmap
Emmanuel Lapébie, DGA/DET/CEG
- 4:40 PM** Analyzing Production Processes of Energetic Materials Using Ultrasound Technology
Rajen Patel, US Army RDECOM-ARDEC

5:30 pm - 6:30 pm RECEPTION

6:30 pm DINNER
▶ Invited Guest Speaker: Dr. Peter Smith, University of Arizona, Phoenix Mars Mission

WEDNESDAY, MAY 13

7:00 am - 8:00 am CONTINENTAL BREAKFAST

5A- Ingredients

Session Chair: Heather Gokee, NSWC- Indian Head

- 8:00 AM Novel Plasticizers for IM compliant Solid Propellants
Ana Racoveanu, Physical Sciences, Inc.
- 8:20 AM FOX-7, An IM Ingredient Candidate - Where are We Today?
Henric OEstmark, Swedish Defence Research Agency, FOI
- 8:40 AM Evaluation of R8002, an Alternate Energetic Plasticizer to BDNP A/F, for use in DOD Munitions (Revised as of 3/17/09)
Lilia Mastov, US Army RDECOM-ARDEC
- 9:00 AM A New Generation of Binder for Cast PBX
Bernard Mahe, EURENCO France
- 9:20 AM Qualify an Alternate Polyisobutylene (PIB) Supplier for Composition C-4 Manufacture
Brad Zastrow, US Army RDECOM-ARDEC

5B- IM Systems II

Session Chair: Brian Fuchs, US Army RDECOM-ARDEC

- 8:00 AM IM Improvements for the MK 22 Mod 4 Rocket Motor
Leandro Garcia, NSWC Indian Head Division
- 8:20 AM Propellant Blast Suppressive Transportation Box (PBSTB) - a Cost Effective Way to Improve the IM-Signature of Rounds Packed in Transport Boxes
Jon Toreheim, Saab Bofors Dynamics AB
- 8:40 AM Modeling and Testing of Ceramic Armor Tile Survivability to Fragment Attack
Moran Shpitzer, Rafael
- 9:00 AM IM Solutions for Projectiles Crimped to Cartridges for Artillery Application, Phase II, Transition from Cartridge Case Venting to Insensitive Propellant
Carl Campagnuolo, SOCOM
- 9:20 AM Managing the Development and Capability Investment of the IM Development Programs Through Science and Technology and Munitions Requirements
Ken Tomessello, Naval Sea Systems Command

9:40 am - 10:00 am BREAK

6A- Explosive Formulations II

Session Chair: Wendy Balas, US Army RDECOM- ARDEC

- 10:00 AM CLX 533, A New Insensitive High Explosive
Eli Shachar, IMI-ISRAEL
- 10:20 AM Morphology and Shock Sensitivity in RDX Based Flexible PBX
Chagit Denekamp, Rafael - Advanced Defense Systems Ltd.
- 10:40 AM Processing Studies of DNAN Based Melt-Pour Explosive Formulations
Pierre Pelletier, GD-OTS Canada
- 11:00 AM Insensitive Enhanced Blast Formulations
Philippe Chabin, Eurenco France
- 11:20 AM FOX-7 based Insensitive Cast PBX
Christelle Collet, SNPE Materiaux Energetiques

6B- Modeling II

Session Chair: Peter Haskins, QinetiQ

- 10:00 AM Modeling of Warhead Response to Projectile Impact with TEMPER Software
Pierre-François Péron, MSIAC
- 10:20 AM The Performance of Insensitive Blast Enhanced Explosives
Werner Arnold, MBDA-TDW
- 10:40 AM Institute for Multi Scale Reactive Modeling
William Davis, US Army RDECOM-ARDEC
- 11:00 AM Design for Insensitive Munitions Compliance of XM1069 120mm Multipurpose Tank Round
David Pfau, US Army RDECOM-ARDEC
- 11:20 AM Modeling Methodology for Predicting SCO Performance of the Excalibur Warhead
David Hunter, General Dynamics Ordnance & Tactical Systems

11:40 am - 1:00 pm LUNCH

7A- Synthesis II

Session Chair: Per Sjoberg, Eurenco Bofors AB

- 1:00 PM** Laboratory Scale Nitration of Cellulose as a Cost Effective Risk Mitigation Tool for the Production of Nitrocellulose at Radford Army Ammunition Plant
Benjamin Vaughan, Alliant Tech Systems
- 1:20 PM** Synthesis and Characterisation of NNHT (2-Nitrimino-5-nitro-hexahydro-1,3,5-triazine)
Eamon Colclough, QinetiQ
- 1:40 PM** Synthesis and Characterization of New Energetic, Insensitive Melt-Pour Candidates
David Price, BAE Systems OSI
- 2:00 PM** Characterization of Existing Stockpile and Development of Synthetic Calcium Disilicide
Paul Anderson, US Army RDECOM-ARDEC
- 2:20 PM** Butane Triol Synthesis and Manufacture
Will Tilford, BAE Systems OSI

7B- Testing I

Session Chair: Kenneth Graham, Aerojet

- 1:00 PM** Qualification Testing of the Insensitive TNT Replacement Explosive IMX-101
Kenneth Lee, US Army RDECOM-ARDEC
- 1:20 PM** Qualification of ITEX-07 Explosive for Fuze Applications
Rainer Schirra, DyniTEC
- 1:40 PM** Studies of HBU88B manufactured with CONUS RDX
Pierre Pelletier, GD-OTS Canada
- 2:00 PM** Low Velocity Impact Testing and Simulation on Generic Munitions
Gert Scholtes, TNO Defence, Security and Safety
- 2:20 PM** Fragment Impact Studies of Complete and Sectioned Rocket Motors
Malcolm Cook, QinetiQ Ltd

2:40 pm - 3:00 pm BREAK

8A- Propellants

Session Chair: Nora Eldredge, US Army Research Laboratory

- 3:00 PM** Qualitative Evaluation of Response of LOVA Gun Propellant Charge by Bullet Impact and Cook-Off
Jun Maruyama, Ground Systems Research Center, GSRC, TRDI, MOD
- 3:20 PM** Insensitive Munitions (IM) Testing: 25mm Target Practice, Discarding Sabot with Trace (TPDS-T), M910 Cartridge using ECL Propellant
Bishara Elmasri, US Army RDECOM-ARDEC
- 3:40 PM** Army Advanced Gun Propellant Formulations
Thelma Manning, US ARMY RDECOM ARDEC
- 4:00 PM** A Stable Liquid Mono Propellant based on ADN
Per Sjoberg, Eurenco Bofors AB
- 4:20 PM** Revolutionary Insensitive, Green and Healthier Training Technology with Reduced Adverse Contamination (RIGHTTRAC) Technology Demonstrator Program
Patrick Brousseau, DRDC Valcartier

8B- Technology

Session Chair: Pierre-François Péron, MSIAC

- 3:00 PM** Slow Cookoff Testing of a Thermally Activated Venting System
Michael Fisher, Cornerstone Research Group, Inc.
- 3:20 PM** High Rate Thermal Analysis of Propellant Based Cook-Off Mitigants
Duncan Langlois, ATK Energetics Systems
- 3:40 PM** Using Energetic Materials to Control Warhead Ignition During Slow Cook-Off
Nausheen Al-Shehab, US Army RDECOM-ARDEC
- 4:00 PM** Metal Matrix Composite (MMC) Solid Rocket Motor Demonstration
Matt Shewmaker, NAWCWD China Lake, CA
- 4:20 PM** Production of Aluminum Metal Matrix Composite Cases for Insensitive Munitions Testing
Brian Gordon, Touchstone Research Laboratory

4:40 pm

ADJOURN FOR THE DAY

THURSDAY, MAY 14

7:30 am - 8:30 am CONTINENTAL BREAKFAST

9A- Testing II

Session Chair: Tim Mahoney, NAWC- China Lake

- 8:30 AM** Accelerated Ageing Study of Low Sensitivity PBX Formulation - FPX V40
Mari-Ella Sairiala, PVTT
- 8:50 AM** Roxel IM Technology, Analysis of Trial Results, Future IM Programmes in France and UK.
Jean Claude Nugeyre, ROXEL
- 9:10 AM** IM Response for Army Engineering Charges Based on FPX V40
Hannu Hytti, OY FORCIT AB
- 9:30 AM** New Cost Effective Test Methods Within the IM Program
Rickard Lindström, Saab Bofors Test Center AB
- 9:50 AM** Development of Novel Launcher for Fragment Impact Test
Vincent Tanguay, Defence R&D Canada

9B- Processing II

Session Chair: Scott McDonald, US Army RDECOM-ARDEC

- 8:30 AM** Temperature Independent Gun Propellants Based on NC and DNDA For IM Ammunition
Dietmar Mueller, Fraunhofer Institut Chemische Technologie (ICT)
- 8:50 AM** Co-Extrusion of Gun Propellants
Martijn Zebregs, TNO Defence, Security and Safety
- 9:10 AM** Foamable Celluloid Compositions for Enhanced Combustion Characteristics and Low Temperature Performance
Elbert Caravaca, US Army RDECOM-ARDEC
- 9:30 AM** Scaleup Of Energetic Nitrate Salts For Insensitive DEMN Formulations
Sarah Headrick, ATK
- 9:50 AM** Enhanced Production Capabilities for IM Explosive Ingredients Using the Agile Manufacturing Facility at Holston Army Ammunition Plant
Mike Ervin, BAE Systems

10:10 am - 10:30 am BREAK

10A- Explosive Formulation III

Session Chair: Paul Wanninger, MEMG

- 10:30 AM** Tailored Sensitivity Explosive Formulations
Bruno Noguez, EURENCO France
- 10:50 AM** Comp B Explosive Replacement Development
Robert Hatch, ATK Launch Systems
- 11:10 AM** Recent Developments in Composition C-4: Towards an Alternate Binder and Reduced Sensitivity
James Owens, BAE Systems
- 11:30 AM** Experimental Deviations from Conventional Critical Temperature Models for Non-ideal Explosive Formulations
Brian Roos, U.S. Army Research Laboratory

10B- IM/EM Issues

Session Chair: Matt Beyard, OSD- ATL

- 10:30 AM** Pyrotechnic Mixture Substitution for Explosives
Randall Busky, ATK Armament Systems Lake City
- 10:50 AM** Thermal Analysis of IMX-101 Through Large Scale Slow Cook Off Testing
Alberto Carrillo, BAE Systems OSI
- 11:10 AM** IM Response Descriptors – an Update for Assessment Processes
Thomas Swierk, NSWC Dahlgren
- 11:30 AM** FITS, Finnish IM Technology Study
Kosti Nevala, Patria Land & Armament

11:50 am - 12:00 pm CLOSING REMARKS

1:00 pm GOLF OUTING *MUST PRE- REGISTER FIRST AS THERE ARE LIMITED SPOTS AVAILABLE

IMEM Golf Tournament - May 14, 2009 1:00 pm

Ventana Canyon Golf Course
Price per golfer \$100.00 • Only 48 slots available!

(Price includes green fees, cart, prizes and awards reception)
Rental clubs are available for \$60.50

Send Checks and Registration Form To:
Attn: Karen Stasell, GD-OTS (make checks payable to GD-OTS)
11399 16th Ct, Suite 200
St. Petersburg, FL 33716
(ph)727-432-0809
kstasell@gd-ots.com

Golf Registration

Name: _____

Rental Clubs (\$60.50): Left handed _____ Right handed _____

Foursome:

Player:2 _____ Rental Clubs: Left handed _____ Right handed _____

Player:3 _____ Rental Clubs: Left handed _____ Right handed _____

Player:4 _____ Rental Clubs: Left handed _____ Right handed _____

Company: _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: _____ Fax: _____ Email: _____

Price per golfer (\$100) Rental Clubs (\$60.50 per set) Total amount due:

\$ _____

REGISTRATION

ONLINE:

Our preferred method of registration is online. Visit <http://www.ndia.org/meetings/9550> to register today.

FAX:

Register via fax by completing the Registration Form and faxing it to (703) 522-1885. Please do not fax any registrations after April 27, 2009.

HOTEL INFORMATION

A limited number of rooms have been reserved at The Loews Ventana Canyon Resort, Tucson AZ. To make a reservation, call 1-800-234-5117 and ask for the "National Defense Industrial Association IM/EM" conference room block. The cut-off date for accepting reservation into this block is April 17, 2009, but rooms may sell out before then.

TRANSPORTATION

The hotel is not located near the airport. Taxi rides cost approximately \$60, and allow up to 4 passengers to split the cost. It is recommended to share rides. Taxi stands are located right outside the airport, as well as shuttles and vans.

CONFERENCE REGISTRATION FEES	EARLY (BEFORE 4/11)	REGULAR	LATE (AFTER 5/1)
GOVERNMENT/ ACADEMIA/ ALLIED GOV.	\$535	\$590	\$650
INDUSTRY NDIA MEMBER	\$740	\$815	\$895
INDUSTRY NON-NDIA MEMBER	\$785	\$865	\$950
SPEAKER	\$535	\$590	\$650

MAIL:

Registration forms may be mailed to: NDIA, Event #9380, 2111 Wilson Blvd., Suite 400, Arlington, VA 22201. Please do not mail any registrations after April 27, 2009. Registrations will not be taken over the phone. Payment must be made at the time of registration.

ATTENDEE ROSTER

An attendance roster will be distributed at the conference. Your registration form and payment must be received April 27, 2009 to be included in the roster. An updated roster will NOT be printed after the conference.

CANCELLATION POLICY

Cancellations before 4/11/09 receive a full refund. Cancellations between 4/11/09-4/30/09 receive a refund minus a \$75 cancellation fee. No refunds for cancellations received on/after 5/1/09. Cancellations must be made in writing. Substitutions welcome in lieu of cancellations. Please e-mail your cancellations or substitutions to Jennifer Hoechst via email: jhoechst@ndia.org

CONFERENCE ATTIRE

The appropriate attire for this conference is business casual attire or Military Class B uniform.

SPECIAL NEEDS

NDIA supports the Americans with Disabilities Act of 1990. Attendees with Special Needs should contact Jennifer Hoechst by March 10, 2009 via email: jhoechst@ndia.org and refer to the Insensitive Munitions and Energetic Materials Conference.

INQUIRIES:

For more information, contact Jennifer Hoechst, Meeting Planner, NDIA, at 703-247-2568 or via e-mail at jhoechst@ndia.org and refer to the Insensitive Munitions and Energetic Materials Conference.

TUCSON AREA: THINGS TO DO

For more information on the Tucson area, things to do and possible spouse outings, visit <http://www.visittucson.org/>

EVENT #9550 ▶ NDIA REGISTRATION FORM

NATIONAL DEFENSE INDUSTRIAL ASSOCIATION ▶ 2111 WILSON BOULEVARD, SUITE 400 ▶ ARLINGTON, VA 22201-3061
(703) 522-1820 ▶ (703) 522-1885 FAX ▶ WWW.NDIA.ORG



**INSENSITIVE MUNITIONS AND ENERGETIC MATERIALS ▶ LOEWS VENTANA CANYON RESORT
TUCSON, AZ ▶ MAY 11-14, 2009**

**3 WAYS TO
SIGN UP:**

- 1. Online with a credit card at www.ndia.org
- 2. By fax with a credit card - Fax: (703) 522-1885
- 3. By mail with a check or credit card

▶ Address Change Needed

NDIA Master ID/Membership # _____ Social Security # _____
(If known - hint: on mailing label above your name) *(Last 4 digits - optional)*

Prefix *(e.g. RADM, COL, Mr., Ms., Dr., etc.)* _____

Name: First _____ MI _____ Last _____

Military Affiliation _____ Nickname _____
(e.g. USMC, USA (Ret.) etc.) *(For meeting badges)*

Title _____

Organization _____

Street Address _____

Address *(Suite, PO Box, Mail Stop, Building, etc.)* _____

City _____ State _____ Zip _____ Country _____

Phone _____ Ext. _____ Fax _____

E-Mail _____

Signature* _____ Date _____

PREFERRED WAY TO RECEIVE INFORMATION

Conference Information Address above Alternate (Print address below) E-mail
Subscriptions Address above Alternate (Print address below)

Alternate Street Address _____

Alternate Address *(Suite, PO Box, Mail Stop, Building, etc.)* _____

City _____ State _____ Zip _____ Country _____

* By your signature above, you consent to receive communications sent by or on behalf of NDIA, its Chapters, Divisions and affiliates (NTSA, AFEI, PSA, WID) through regular mail, e-mail, telephone or fax. NDIA, its Chapters, Divisions and affiliates do not sell data to vendors or other companies.

**CONFERENCE
REGISTRATION FEES**

	Early <i>(Before 4/11/09)</i>	Regular	Late <i>(After 5/1/09)</i>
Government/Academia ¹	\$535	\$590	\$650
Industry NDIA Member and affiliates (AFEI, NTSA, PSA, WID)	\$740	\$815	\$895
Industry non-NDIA member ²	\$785	\$865	\$950
Speaker	\$535	\$590	\$650

¹ Includes a free three-year NDIA membership and subscription to National Defense magazine for military and government employees.

No, do not sign me up for the free government membership.

² Registration fees for non-NDIA (or affiliate) members include a one-year non-refundable NDIA membership —\$15.00 will be applied for your 12 month subscription to National Defense magazine.

No refunds for cancellations received after 5/1/09.
Substitutions welcome in lieu of cancellations!

PAYMENT OPTIONS

Check (Payable to NDIA - Event #9550) Government PO/Training Form # _____

VISA MasterCard American Express Diners Club Cash

If paying by credit card, you may return by fax to (703) 522-1885.

□□□□□□□□□□□□□□□□
Credit Card Number

□□ / □□
Exp. Date

Signature _____ Date _____

**BY COMPLETING THE FOLLOWING,
YOU HELP US UNDERSTAND WHO IS
ATTENDING OUR EVENTS.**

**PRIMARY OCCUPATIONAL
CLASSIFICATION.** Check ONE.

- Defense Business/Industry
- R&D/Laboratories
- Army
- Navy
- Air Force
- Marine Corps
- Coast Guard
- DOD/MOD Civilian
- Government Civilian (Non-DOD/MOD)
- Trade/Professional Assn.
- Educator/Academia
- Professional Services
- Non-Defense Business
- Other _____

CURRENT JOB/TITLE/POSITION.

- Check ONE.
- Senior Executive
 - Executive
 - Manager
 - Engineer/Scientist
 - Professor/Instructor/Librarian
 - Ambassador/Attaché
 - Legislator/Legislative Aide
 - General/Admiral
 - Colonel/Navy Captain
 - Lieutenant Colonel/Commander/
Major/Lieutenant Commander
 - Captain/Lieutenant/Ensign
 - Enlisted Military
 - Other _____

Year of birth _____
(optional)

QUESTIONS, CONTACT:

**JENNIFER HOECHST,
MEETING PLANNER**

PHONE: (703) 247-2568

E-MAIL: JHOECHST@NDIA.ORG

MAIL REGISTRATION TO:

NDIA - EVENT #9550
2111 WILSON BOULEVARD
SUITE 400
ARLINGTON, VA 22201

FAX TO: (703) 522-1885

NDIA

National Defense Industrial Association

NATIONAL DEFENSE INDUSTRIAL
ASSOCIATION

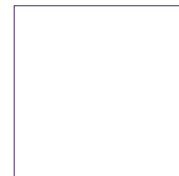
2111 WILSON BOULEVARD, SUITE 400

ARLINGTON, VA 22201-3061

(703) 522-1820

(703) 522-1885 FAX

WWW.NDIA.ORG



2009 INSENSITIVE MUNITIONS AND ENERGETIC MATERIALS TECHNOLOGY SYMPOSIUM

TO REGISTER, VISIT:

WWW.NDIA.ORG/MEETINGS/9550

NDIA

National Defense Industrial Association

PROMOTING NATIONAL SECURITY SINCE 1919



2009 INSENSITIVE MUNITIONS AND ENERGETIC MATERIALS TECHNOLOGY SYMPOSIUM

**LOWER COST SOLUTIONS FOR 21ST CENTURY IM/EM
REQUIREMENTS**

MAY 11-14, 2009

WWW.NDIA.ORG/MEETINGS/9550

LOEWS VENTANA CANYON RESORT ► TUCSON, AZ

EVENT #9550